

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 November 2023 (09.11.2023)



(10) International Publication Number
WO 2023/215159 A1

(51) International Patent Classification:

B65B 5/02 (2006.01) *B65B 51/02* (2006.01)
B65B 9/02 (2006.01) *B65B 51/06* (2006.01)
B65B 11/50 (2006.01) *B65B 59/00* (2006.01)

(21) International Application Number:

PCT/US2023/020100

(22) International Filing Date:

27 April 2023 (27.04.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/337,598 02 May 2022 (02.05.2022) US

(71) Applicant: **RANPAK CORP.** [US/US]; 7990 Auburn
Road, Concord Township, Ohio 44077 (US).

(72) Inventors: **LESPINASSE, Bruno**; Raakakatu 6, 20540
Turku (FI). **HIISILÄ, Henri**; Kaukolantie 281, 30100
Forssa (FI).

(74) Agent: **JACOBS, Christopher B.**; 1621 Euclid Avenue,
Floor 19, Cleveland, Ohio 44115 (US).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(54) Title: PRODUCT PACKAGING MACHINE AND METHOD

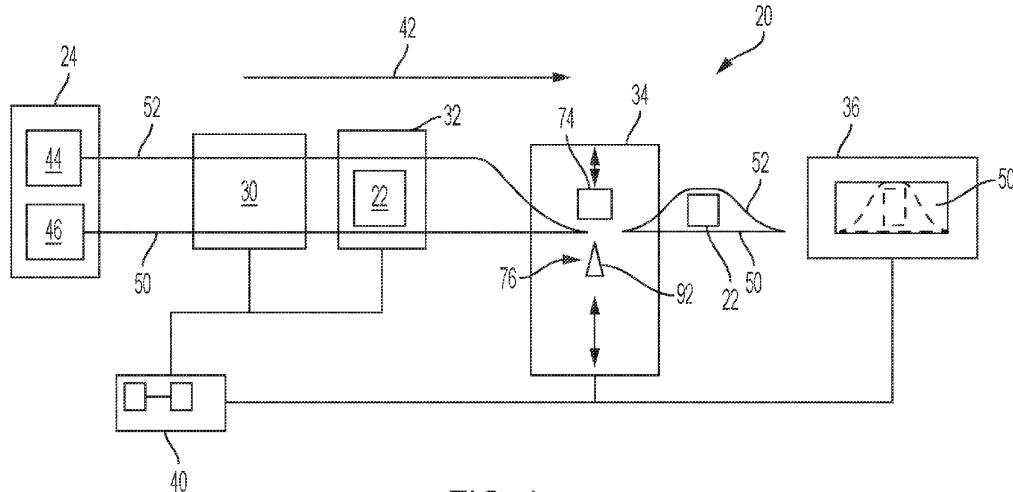


FIG. 1

(57) Abstract: A method for wrapping a product for shipment includes advancing a base layer in a downstream direction and placing a product for wrapping on the base layer. After the product is placed on the base layer, an adhesive is deposited onto the base layer at a location adjacent the product. A cover layer is then applied over the top of the product and the base layer. The cover layer is secured to the base layer via the adhesive, and the product is secured to the base layer by the cover layer being secured to the base layer both upstream and downstream of the product. The base layer is then transversely folded over both the cover layer and the product to securely wrap the product for shipment.

[Continued on next page]

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*